

The brightness of different colors can be altered by varying the amount of black interspersed with the particular color, i.e., spatial dithering. The images also exhibit the pleasing shift of color with respect to viewing angle known as iridescence.

In another example, a reflective flat panel display may also be fabricated using a single kind of pixel instead of three. Multiple colors, in this case, are obtained through fabricating the pixels in the form of continuously tunable or analog interferometric modulators as described in the parent patent application. In this fashion, any individual pixel may, by the application of the appropriate voltage, be tuned to reflect any specific color. This would require that the array be fabricated on a substrate along with electronic circuitry, or directly on the surface of an integrated circuit, in order to provide a charge storage mechanism. This approach, though it requires a more complicated driving scheme relying on analog voltages, provides superior resolution. It would also find application in a projection system. --

In the claims:

Cancel claims 1-9 and 12-39.

In the drawings:

Insert the following new figures after Figure 35:

Figures 36-44, 45A-45D, 46A-46D, and 47A-47D.

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